

1 PROJECT NO. 0010533184 SUBJECT: 1462/DEH/Sulfur Epoxy 85 DATE:

Objective: For evaluation in cyclone project [adhesion to polyimide & various circuits by al Pacius ATC]

5 Reference: _____

	control A	40% silica 2% silane B	
EPON 1462	10g	10g	} a larger batch of 49B was made & given to al Pacius for additional testing
DEH 85	1g	1g	
KG Epoxy ①	2g	2g	
LE-05 Silstar silica ④	—	8.67g	
3-glycidypropyltrimethoxysilane ②	—	2.66g	40% by wt.
2E-4-methylimidazole	.54g	.54g	2% by wt.
			4% by wt.

15 the were prepared the same as 118288-39D & were poured in paper containers & frozen for use by al Pacius. also DSC cure each

	DSC cure further	1st heat	2nd heat	this larger batch used KG epoxy ③ 118966-23 (4g)
41A *	127°C 71 cal/g	1.6 cal/g 117°C ***	120°C	40g of 41C frozen for later use
41A **	127°C 71 cal/g	1.2 cal/g 126°C ***	124°C	
41B *	128°C 57 cal/g	.7 cal/g 109°C	107°C	
41B **	128°C 57 cal/g	.8 cal/g 112°C	110°C	

41C 128°C 66 cal/g 58 cal/g 106°C
2nd heat T_g = 100°C

* All samples were cured in sealed DSC pans.

30 *** See 118288-38* for explanation of T_g occurring during cure

*** all samples were cured in 4" x 4" x 1/16" molds. used 1.25g for each

	① 117883-90	② From Nippon Lot 9	③ From Aldrich 44016-7	④ 118966-23	41C	signature
35					30g	the same as 41A & 41B
					3g	
					6g	
					1.625g	
					26g	40%

Also 1.625g 2E-4M imidazole
40% silica
4% by wt silica LE-05

AUTHOR'S FULL NAME or INITIALS

DATE: _____

WITNESS'S FULL NAME or INITIALS

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